



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

1744  
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11-8-01

Applicant: Marek Minarik et al.

PATENT APPLICATION

Serial No.: 09/882,523

Group Art Unit: 1744

Filed: June 15, 2001

Examiner: Starsich

For: ELECTROPHORESIS SEPARATION MEDIA AND METHODS

Information Disclosure Statement

Hon. Assistant Commissioner  
for Patents  
Washington, D.C. 20231

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Sir:

The following information is submitted in compliance with Applicants' duty of disclosure under 37 CFR § 1.56. A copy of each reference is enclosed.

U.S. Patents

<u>Pat. No.</u>	<u>Patentee</u>	<u>Grant Date</u>
4,865,706	Karger et al.	09/12/89
5,089,111	Zhu et al.	02/18/92
5,370,777	Guttman et al.	12/06/94
5,374,527	Grossman	12/20/94
5,567,292	Madabhushi et al.	10/22/96
6,156,178	Mansfield et al.	12/05/00

Other References

J. Noolandi, "A New Concept for Separating Nucleic Acids by Electrophoresis in Solution Using Hybrid Synthetic End Labelled-Nucleic Acid Molecules", *Electrophoresis*, 1993, 14, pp. 680-681.

W. Schutzner et al., "Separation of Diastereomeric Derivatives of Enantiomers by Capillary Zone Electrophoresis With a Polymer Network: Use of Polyvinylpyrrolidone as Buffer Additive", *Journal of Chromatography*, 1993, 639, pp. 375-378.

P. Blatny et al., "Linear Polymers Applied as Pseudo-Phases in Capillary Zone Electrophoresis of AZO Compounds Used as Textile Dyes", *Journal of Chromatography*, 1995, 717, pp. 157-166.

J. P. Barry et al., "Analysis of Modified Oligonucleotides by Capillary electrophoresis in a Polyvinylpyrrolidone Matrix Coupled with Electrospray Mass Spectrometry", *Journal of Chromatography*, 1996, 732, pp. 159-166.

P. Mayer et al., "Theory of DNA Sequencing Using Free-Solution Electrophoresis of Protein-DNA Complexes", *Anal. Chemistry*, 1994, 66, pp. 1777-1780.

J. Sudor et al., "End-Label, Free-Solution Capillary Electrophoresis of Highly Charged Oligosaccharides", *Anal. Chemistry*, 1995, 67, pp. 4205-4209.

CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Asst. Commissioner for Patents, Washington, D.C. 20231

Signed: Sally Azevedo  
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Respectfully submitted,

*Thomas Schneck*

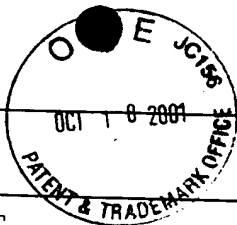
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FORM PTO-1449

Atty. Docket No.  
MLD-044Serial No.  
09/882,523LIST OF PRIOR ART  
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## U.S. PATENT DOCUMENTS

TC 1700

Examiner Initial*	Document Number	Grant Date	Name	Class	Sub Class	Filing Date
AA	4,865,706	12/12/89	Karger et al.	204	182.8	
AB	5,089,111	02/18/92	Zhu et al.	204	180.1	
AC	5,370,777	12/06/94	Guttman et al.	204	182.8	
AD	5,374,527	12/20/94	Grossman	435	6	
AE	5,567,292	10/22/96	Madabhushi et al.	204	451	
AF	6,156,178	12/05/00	Mansfield et al.	204	457	
AG						
AH						
AI						
AJ						

## FOREIGN PATENT DOCUMENTS

Examiner Initial*	Document Number	Grant Date	Country	Class	Sub Class	Translation Yes No
AK						
AL						

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

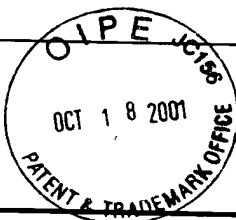
AM	J. Noolandi, "A New Concept for Separating Nucleic Acids by Electrophoresis in Solution Using Hybrid Synthetic End Labelled-Nucleic Acid Molecules", <i>Electrophoresis</i> , 1993, 14, pp. 680-681.
AN	W. Schutzner et al., "Separation of Diastereomeric Derivatives of Enantiomers by Capillary Zone Electrophoresis With a Polymer Network: Use of Polyvinylpyrrolidone as Buffer Additive", <i>J. Chromatography</i> , 1993, 639, pp. 375-378.
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	BH					
	BI					
	BJ					

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	BK					
	BL					

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BM	J. P. Barry et al., "Analysis of Modified Oligonucleotides by Capillary Electrophoresis in a Polyvinylpyrrolidone Matrix Coupled with Electrospray Mass Spectrometry", <i>J. Chromatography</i> , 1996, 732, pp. 159-166.
BN	P. Mayer et al., "Theory of DNA Sequencing Using Free-Solution Electrophoresis of Protein-DNA Complexes", <i>Anal. Chemistry</i> , 1994, 66, pp. 1777-1780.
BO	J. Sudor et al., "End-Label, Free-Solution Capillary Electrophoresis of Highly Charged Oligosaccharides", <i>Anal. Chemistry</i> , 1995, 67, pp. 4205-4209.

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